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Exhibit R-2, RDT&E Budget Item Justification: PB 2012 Navy **DATE:** February 2011

APPROPRIATION/BUDGET ACTIVITY				R-1 ITEM NOMENCLATURE							
1319: <i>Research, Development, Test & Evaluation, Navy</i> BA 5: <i>Development & Demonstration (SDD)</i>				PE 0204202N: <i>DDG-1000</i>							
COST (\$ in Millions)	FY 2010	FY 2011	FY 2012 Base	FY 2012 OCO	FY 2012 Total	FY 2013	FY 2014	FY 2015	FY 2016	Cost To Complete	Total Cost
Total Program Element	507.742	549.241	261.604	-	261.604	340.009	168.344	164.089	100.335	Continuing	Continuing
2464: <i>DD(X) Sys Design, Dev & Integration</i>	396.331	441.117	215.015	-	215.015	331.166	149.550	164.089	100.335	Continuing	Continuing
4009: <i>Advanced Gun System (AGS) on DD(X)</i>	107.427	108.124	46.589	-	46.589	8.843	18.794	-	-	0.000	289.777
9999: <i>Congressional Adds</i>	3.984	-	-	-	-	-	-	-	-	0.000	3.984

A. Mission Description and Budget Item Justification

This Program Element (PE) provides funds for development of the DDG 1000 Class of U.S. Navy surface combatants. The mission of the DDG 1000 class is to provide credible independent forward presence/deterrence and operate as an integral part of Naval, Joint or Combined Maritime Forces. DDG 1000 will provide advanced land attack capability in support of the ground campaign and contribute to Naval, Joint or Combined battlespace dominance in littoral operations. DDG 1000 will establish and maintain surface and sub-surface superiority, provide local air defense, and incorporate signature reduction to operate in all threat environments. DDG 1000 will have seamless Joint Interoperability to integrate all source information for battlespace awareness and weapons direction.

In accordance with the recent Nunn McCurdy recertification the Department plans to request an FY 2011 \$170M reprogramming from this RDT&E,N line (0204202N) into the DDG-1000 SCN line (2119).

The following Congressional add is funded in this Program Element:
Floating Area Network (FAN)

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Exhibit R-2, RDT&E Budget Item Justification: PB 2012 Navy	DATE: February 2011
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APPROPRIATION/BUDGET ACTIVITY 1319: <i>Research, Development, Test & Evaluation, Navy</i> BA 5: <i>Development & Demonstration (SDD)</i>	R-1 ITEM NOMENCLATURE PE 0204202N: <i>DDG-1000</i>
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B. Program Change Summary (\$ in Millions)	FY 2010	FY 2011	FY 2012 Base	FY 2012 OCO	FY 2012 Total
Previous President's Budget	524.269	549.241	337.564	-	337.564
Current President's Budget	507.742	549.241	261.604	-	261.604
Total Adjustments	-16.527	-	-75.960	-	-75.960
• Congressional General Reductions		-			
• Congressional Directed Reductions		-			
• Congressional Rescissions	-	-			
• Congressional Adds		-			
• Congressional Directed Transfers		-			
• Reprogrammings	-3.983	-			
• SBIR/STTR Transfer	-18.263	-			
• Program Adjustments	-	-	-72.523	-	-72.523
• Section 219 Reprogramming	-2.236	-	-	-	-
• Rate/Misc Adjustments	-	-	-3.437	-	-3.437
• Congressional General Reductions	-0.045	-	-	-	-
Adjustments					
• Congressional Add Adjustments	8.000	-	-	-	-

Congressional Add Details (\$ in Millions, and Includes General Reductions)

Project: 9999: *Congressional Adds*

 Congressional Add: *Floating Area Network (FAN) Installation Of Wirele*

Congressional Add Subtotals for Project: 9999

Congressional Add Totals for all Projects

FY 2010	FY 2011
3.984	-
3.984	-
3.984	-

Change Summary Explanation

Technical: Not applicable.

Schedule: Not applicable.

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Exhibit R-2A, RDT&E Project Justification: PB 2012 Navy								DATE: February 2011			
APPROPRIATION/BUDGET ACTIVITY 1319: <i>Research, Development, Test & Evaluation, Navy</i> BA 5: <i>Development & Demonstration (SDD)</i>				R-1 ITEM NOMENCLATURE PE 0204202N: <i>DDG-1000</i>				PROJECT 2464: <i>DD(X) Sys Design, Dev & Integration</i>			
COST (\$ in Millions)	FY 2010	FY 2011	FY 2012 Base	FY 2012 OCO	FY 2012 Total	FY 2013	FY 2014	FY 2015	FY 2016	Cost To Complete	Total Cost
2464: <i>DD(X) Sys Design, Dev & Integration</i>	396.331	441.117	215.015	-	215.015	331.166	149.550	164.089	100.335	Continuing	Continuing
Quantity of RDT&E Articles	0	0	0	0	0	0	0	0	0		
A. Mission Description and Budget Item Justification											
This project encompasses DDG 1000 development efforts required to deliver the Flight I DDG 1000 Class Ships. Major efforts include software requirements analysis, architectural and design code and unit testing, integration, qualification testing, and Independent Verification and Validation (IV&V) for software releases 5-6; hull form testing at Naval Surface Warfare Center/Carderock; communication and sensor aperture cosite and electromagnetic interference risk reductions testing for critical arrays; execution of Integrated Power Systems (IPS) and ship control system testing and integration; and development of Tomahawk Weapon Control System software. Funding for previous years is included in PE 0604300N.											
B. Accomplishments/Planned Programs (\$ in Millions, Article Quantities in Each)								FY 2010	FY 2011	FY 2012	
Title: System Engineering, Development and Testing								396.331	441.117	215.015	
Articles:								0	0	0	
Description: System Engineering, Development and Testing											
FY 2010 Accomplishments:											
Development of the DDG 1000 Flight 1 software, Commercial Off the Shelf/Government Off the Shelf (COTS/GOTS) software acquisition, code and unit testing, integration, qualification testing, and Independent Verification and Validation (IV&V). Development of a total system software architecture that defines the relationships and interfaces among the software segments, elements, components and/or configuration items using an incremental release process (Software (SW) Releases 5-6). Conducted the following events for the remaining software releases: Software Release 5-completed Test Readiness Review (TRR)and System Acceptance Testing (SAT). Software Release 6 - conducted SW Preliminary Design Review (S-PDR) and SW Critical Design Review (S-CDR). Conducted developmental software test planning, test data analysis and reporting in accordance with the DDG 1000 TEMP. Performed total ship system design analysis. Performed systems engineering; developed and integrated into the DDG 1000 System an Electric Ship (ES) system. The following efforts occurred in FY 10: Continued to integrate Next Generation Command and Control Processor (NGC2P) and continued to complete hardware and software development with formal testing through Software Release 6. Continued to develop, test and integrate the Common Display System (CDS) consoles and medium/large screen displays.											
FY 2011 Plans:											
Software Release 6 will enter into the Design, Code, Test and Integration phase and begin Software Integration and Test (SWIT) activities. The following efforts will continue in FY11: Conduct developmental software test planning, conduct test data											

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Exhibit R-2A, RDT&E Project Justification: PB 2012 Navy							DATE: February 2011				
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B. Accomplishments/Planned Programs (\$ in Millions, Article Quantities in Each)							FY 2010	FY 2011	FY 2012		
analysis and reporting in accordance with the DDG 1000 TEMP. Perform total ship system design analysis. Perform systems engineering, develop, and fully integrate into the DDG 1000 System an Electric Ship (ES) system for DDG 1000. Integrate Next Generation Command and Control Processor (NGC2P). Continue Combat System Elements and Hull Mechanical & Electrical (HM&E) integration, including hardware and software development through Software Release 6. Develop, test and integrate the Common Display System (CDS) consoles and medium/large screen displays. Continue hull form testing at NSWC/Carderock. Execution of IPS and Ship Control System (SCS) testing and integration at Naval Surface Warfare Center/Philadelphia. Conduct communication and sensor aperture cosite and electromagnetic interference risk reduction testing for critical arrays at the Wallops Island Test Facility. Develop Tomahawk Weapons Control System software. Conduct developmental testing and operation evaluation in accordance with TEMP. Conduct Live Fire Testing & Vulnerability Analysis in accordance with TEMP. Conduct signature range Non-Recurring Engineering (NRE) to upgrade ranges to support DDG 1000 test and evaluation. Initiate X-Band Multi-Function Radar (MFR) modification due to removal of S-Band Volume Search Radar (VSR) during the Nunn McCurdy recertification. FY 2012 Plans: Development of Total Ship Computing Environment (TSCE) Software Release 6 is scheduled to complete. TSCE Software Spiral 1 will enter into Design, Code, Test and integration. Continuation of propulsion, power and ship control system land based testing at the Naval Surface Warfare Center/Philadelphia. Completion of non-recurring engineering and upgrades to range signature and calibration measurement facilities is scheduled. Perform planning, preparation and pretest predictions for TEMP Integrated Testing at Wallops Island and Self Defense Test Ship and associated MOE Test Beds. Initiate procurements of test articles for Initial Operational Test and Evaluation (IOT&E), including Long Range Land Attack Projectile (LRLAP)/Shapes, SM2 and ESSMs. Perform Airex and Undex vulnerability assessments, general recoverability assessments and engineering survivability assessments in support of TEMP Live Fire Test and Evaluation. Continue X-Band Multi-Function Radar (MFR) modification due to removal of S-Band Volume Search Radar (VSR) during the Nunn McCurdy recertification.											
Accomplishments/Planned Programs Subtotals							396.331	441.117	215.015		
C. Other Program Funding Summary (\$ in Millions)											
Line Item	FY 2010	FY 2011	FY 2012 Base	FY 2012 OCO	FY 2012 Total	FY 2013	FY 2014	FY 2015	FY 2016	Cost To Complete	Total Cost
• SCN/ 2119: DDG 1000	1,378.532	186.312	453.727	0.000	453.727	433.619	223.694	272.592	0.000	0.000	2,948.476
D. Acquisition Strategy											
A revised acquisition strategy has been determined that supports the DDG-1000/DDG-51 restart shipyard allocation workload MOAs. Execution of the MOAs will shift primary construction of all three DDG-1000 class ships to Bath Iron Works (BIW). Award of the DDG 1001/1002 to BIW is targeted for 2nd quarter FY11.											

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Exhibit R-2A, RDT&E Project Justification: PB 2012 Navy		DATE: February 2011
APPROPRIATION/BUDGET ACTIVITY 1319: <i>Research, Development, Test & Evaluation, Navy</i> BA 5: <i>Development & Demonstration (SDD)</i>	R-1 ITEM NOMENCLATURE PE 0204202N: <i>DDG-1000</i>	PROJECT 2464: <i>DD(X) Sys Design, Dev & Integration</i>

E. Performance Metrics

Successfully achieve Milestone C. Successfully achieve Initial Operational Capability. Successfully complete Operation Test Readiness Review. Successfully complete Developmental Test/Operational Test.

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Exhibit R-3, RDT&E Project Cost Analysis: PB 2012 Navy										DATE: February 2011			
APPROPRIATION/BUDGET ACTIVITY 1319: Research, Development, Test & Evaluation, Navy BA 5: Development & Demonstration (SDD)				R-1 ITEM NOMENCLATURE PE 0204202N: DDG-1000				PROJECT 2464: DD(X) Sys Design, Dev & Integration					
Product Development (\$ in Millions)				FY 2011		FY 2012 Base		FY 2012 OCO		FY 2012 Total			
Cost Category Item	Contract Method & Type	Performing Activity & Location	Total Prior Years Cost	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Cost To Complete	Total Cost	Target Value of Contract
Ship Integration Development Phase IV	SS/CPAF	Raytheon:Tewksbury MA	326.021	397.202	Oct 2010	161.615	Dec 2011	-		161.615	Continuing	Continuing	Continuing
Ship Integration Development	SS/CPFF	Converteam:Pittsburgh, PA	-	6.250	Jan 2011	6.000	Dec 2011	-		6.000	Continuing	Continuing	Continuing
Subtotal			326.021	403.452		167.615		-		167.615			
Test and Evaluation (\$ in Millions)				FY 2011		FY 2012 Base		FY 2012 OCO		FY 2012 Total			
Cost Category Item	Contract Method & Type	Performing Activity & Location	Total Prior Years Cost	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Cost To Complete	Total Cost	Target Value of Contract
Live Fire Test and Evaluation	Various	Various:Various	1.100	-		-		-		-	0.000	1.100	
Live Fire Test and Evaluation	WR	NSWC:Bethesda, MD	0.700	-		-		-		-	0.000	0.700	
Live Fire Test and Evaluation	C/CPIF	TBD:TBD	-	2.300	Jan 2011	4.500	Dec 2011	-		4.500	Continuing	Continuing	Continuing
Test & Evaluation	SS/CPFF	Raytheon:Portsmouth, RI	7.200	10.030	Oct 2010	19.337	Dec 2011	-		19.337	Continuing	Continuing	Continuing
Test & Evaluation	C/CPIF	Alion:Washington, DC	0.300	-		-		-		-	0.000	0.300	
Test & Evaluation	SS/CPFF	JHU/APL:Laurel, MD	0.200	0.100	Jan 2011	0.500	Dec 2011	-		0.500	Continuing	Continuing	Continuing
Test & Evaluation	C/CPIF	TBD:TBD	-	0.800	Jan 2011	0.900	Dec 2011	-		0.900	Continuing	Continuing	Continuing
Test & Evaluation	WR	NSWC:Dahlgren, VA	1.560	1.280	Oct 2010	0.860	Dec 2011	-		0.860	Continuing	Continuing	Continuing
Test & Evaluation	WR	NSWC:Bethesda, MD	4.700	2.510	Oct 2010	2.150	Dec 2011	-		2.150	Continuing	Continuing	Continuing
Test & Evaluation	WR	NSWC:Port Hueneme, CA	1.075	0.939	Nov 2010	4.000	Dec 2011	-		4.000	Continuing	Continuing	Continuing
Test & Evaluation	WR	NRL:Washington, DC	0.800	0.325	Nov 2010	0.350	Dec 2011	-		0.350	Continuing	Continuing	Continuing
Test & Evaluation	WR	NAWC:China Lake, CA	1.200	1.870	Nov 2010	1.200	Dec 2011	-		1.200	Continuing	Continuing	Continuing
Test & Evaluation	WR	SCSC:Wallops, Is, VA	2.286	3.841	Feb 2011	0.503	Dec 2011	-		0.503	Continuing	Continuing	Continuing
Test & Evaluation	WR	COTF:Norfolk, VA.	1.364	1.270	Nov 2010	2.400	Dec 2011	-		2.400	Continuing	Continuing	Continuing
Subtotal			22.485	25.265		36.700		-		36.700			

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Exhibit R-3, RDT&E Project Cost Analysis: PB 2012 Navy										DATE: February 2011			
APPROPRIATION/BUDGET ACTIVITY 1319: Research, Development, Test & Evaluation, Navy BA 5: Development & Demonstration (SDD)				R-1 ITEM NOMENCLATURE PE 0204202N: DDG-1000				PROJECT 2464: DD(X) Sys Design, Dev & Integration					
Management Services (\$ in Millions)				FY 2011		FY 2012 Base		FY 2012 OCO		FY 2012 Total			
Cost Category Item	Contract Method & Type	Performing Activity & Location	Total Prior Years Cost	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Cost To Complete	Total Cost	Target Value of Contract
Government Engineering Services	WR	NSWC:Dahlgren VA	4.581	2.200	Oct 2010	2.200	Dec 2011	-		2.200	Continuing	Continuing	Continuing
Government Engineering Services	WR	NSWC:Philadelphia PA	8.488	-		-		-		-	0.000	8.488	
Government Engineering Services	WR	NSWC:Port Hueneme CA	2.091	1.000	Nov 2010	1.000	Dec 2011	-		1.000	Continuing	Continuing	Continuing
Government Engineering Services	WR	NAWC:Patuxent River MD	4.634	2.300	Nov 2010	2.300	Dec 2011	-		2.300	Continuing	Continuing	Continuing
Government Engineering Services	WR	NSWC:Bethesda MD	10.810	5.000	Oct 2010	4.500	Dec 2011	-		4.500	Continuing	Continuing	Continuing
Government Engineering Services	Various	Other Govt Activities:Various	6.308	-		-		-		-	0.000	6.308	
Travel	Various	NAVSEA:Washington DC	0.700	0.700	Jan 2011	0.700	Dec 2011	-		0.700	Continuing	Continuing	Continuing
Contractor Engineering Support	SS/CPFF	General Dynamics:Fairfax, VA	5.614	-		-		-		-	0.000	5.614	
Contractor Engineering Support	SS/CPAF	Alion:Washington, DC	1.703	-		-		-		-	0.000	1.703	
Contractor Engineering Support	SS/CPFF	JHU/APL:Laurel, MD	2.696	-		-		-		-	0.000	2.696	
Contractor Engineering Support	SS/CPFF	EG&G:Fairfax, VA	0.200	-		-		-		-	0.000	0.200	
Contractor Engineering Support	SS/CPAF	Sayres:Washington,DC	-	1.200	Mar 2011	-		-		-	0.000	1.200	
Subtotal			47.825	12.400		10.700		-		10.700			
			Total Prior Years Cost	FY 2011		FY 2012 Base		FY 2012 OCO		FY 2012 Total	Cost To Complete	Total Cost	Target Value of Contract
Project Cost Totals			396.331	441.117		215.015		-		215.015			
Remarks													

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Exhibit R-4, RDT&E Schedule Profile: PB 2012 Navy		DATE: February 2011
APPROPRIATION/BUDGET ACTIVITY 1319: <i>Research, Development, Test & Evaluation, Navy</i> BA 5: <i>Development & Demonstration (SDD)</i>	R-1 ITEM NOMENCLATURE PE 0204202N: <i>DDG-1000</i>	PROJECT 2464: <i>DD(X) Sys Design, Dev & Integration</i>

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Exhibit R-4A, RDT&E Schedule Details: PB 2012 Navy			DATE: February 2011
APPROPRIATION/BUDGET ACTIVITY 1319: <i>Research, Development, Test & Evaluation, Navy</i> BA 5: <i>Development & Demonstration (SDD)</i>	R-1 ITEM NOMENCLATURE PE 0204202N: <i>DDG-1000</i>	PROJECT 2464: <i>DD(X) Sys Design, Dev & Integration</i>	

Schedule Details

Events by Sub Project	Start		End	
	Quarter	Year	Quarter	Year
<i>Proj 2464</i>				
Software Release SR5	1	2011	1	2011
Software Release SR6	4	2012	4	2012

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Exhibit R-2A, RDT&E Project Justification: PB 2012 Navy								DATE: February 2011			
APPROPRIATION/BUDGET ACTIVITY 1319: <i>Research, Development, Test & Evaluation, Navy</i> BA 5: <i>Development & Demonstration (SDD)</i>				R-1 ITEM NOMENCLATURE PE 0204202N: <i>DDG-1000</i>				PROJECT 4009: <i>Advanced Gun System (AGS) on DD(X)</i>			
COST (\$ in Millions)	FY 2010	FY 2011	FY 2012 Base	FY 2012 OCO	FY 2012 Total	FY 2013	FY 2014	FY 2015	FY 2016	Cost To Complete	Total Cost
4009: <i>Advanced Gun System (AGS) on DD(X)</i>	107.427	108.124	46.589	-	46.589	8.843	18.794	-	-	0.000	289.777
Quantity of RDT&E Articles	0	0	0	0	0	0	0	0	0		
A. Mission Description and Budget Item Justification											
<p>These funds provide for the development of the Advanced Gun System (AGS) and the development, qualification and initial production of the Long Range Land Attack Projectile (LRLAP) associated with the development of DDG 1000. The AGS will consist of a major caliber gun, an automated ammunition handling system, and a guided projectile/propelling charge. The AGS will, at a minimum, meet the Land Attack and Surface Dominance Missions assigned to the gun system. The system will provide a high rate of fire (10 rounds per minute) with a magazine capacity of 600 rounds (total for both guns). LRLAP will be stored throughout its life cycle in an 8 round pallet which is handled by the AGS magazine. By palletizing the munition, AGS is able to significantly reduce manning and improve munition reliability, safety and resupply. The LRLAP Engineering Development Model (EDM) guided flight tests were completed in 2006. System Design and Development began in FY06 with final land based qualification testing planned in FY13. The Long Range Land Attack Projectile (LRLAP) is a rocket-assisted projectile that will deliver a high explosive unitary payload with Global Positioning System (GPS) accuracy. Funding for previous years is included in PE 0604300N.</p>											
B. Accomplishments/Planned Programs (\$ in Millions, Article Quantities in Each)								FY 2010	FY 2011	FY 2012	
<p>Title: Development of Hardware Test Assets</p> <p align="right">Articles:</p> <p>Description: Development of Hardware Test Assets</p> <p>FY 2010 Accomplishments: Procurement of AGS Qualification test assets.</p>								1.100 0	-	-	
<p>Title: System Engineering, Development and Testing</p> <p align="right">Articles:</p> <p>Description: System Engineering, Development and Testing</p> <p>FY 2010 Accomplishments: LRLAP System Design, development and qualification testing.</p> <p>FY 2011 Plans: LRLAP System Design, development, guided flight tests and qualification testing.</p> <p>FY 2012 Plans:</p>								42.938 0	81.194 0	36.589 0	

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Exhibit R-2A, RDT&E Project Justification: PB 2012 Navy							DATE: February 2011				
APPROPRIATION/BUDGET ACTIVITY 1319: <i>Research, Development, Test & Evaluation, Navy</i> BA 5: <i>Development & Demonstration (SDD)</i>			R-1 ITEM NOMENCLATURE PE 0204202N: <i>DDG-1000</i>			PROJECT 4009: <i>Advanced Gun System (AGS) on DD(X)</i>					
B. Accomplishments/Planned Programs (\$ in Millions, Article Quantities in Each)											
							FY 2010	FY 2011	FY 2012		
LRLAP System Design, development, guided flight tests and qualification testing.											
Title: Procurement of Ordnance Test Assets							Articles:	63.389 0	26.930 0	10.000 0	
Description: Procurement of Ordnance Test Assets											
FY 2010 Accomplishments: Procurement of LRLAP rounds for qualification testing.											
FY 2011 Plans: Procurement of LRLAP rounds for qualification testing.											
FY 2012 Plans: Procurement of LRLAP rounds for qualification testing.											
Accomplishments/Planned Programs Subtotals							107.427	108.124	46.589		
C. Other Program Funding Summary (\$ in Millions)											
Line Item	FY 2010	FY 2011	FY 2012 Base	FY 2012 OCO	FY 2012 Total	FY 2013	FY 2014	FY 2015	FY 2016	Cost To Complete	Total Cost
• SCN/2119: <i>DDG 1000</i>	1,378.532	186.312	454.685	0.000	454.685	657.280	225.402	218.242	57.726	0.000	3,178.179
D. Acquisition Strategy											
A revised acquisition strategy has been determined that supports the DDG-1000/DDG-51 restart shipyard allocation workload MOAs. Execution of the MOAs will shift primary construction of all three DDG-1000 class ships to Bath Iron Works (BIW). Award of the DDG 1001/1002 to BIW is targeted for 2nd quarter FY11. AGS is developed via a sole source contract to BAE. Lockheed is the key supplier to BAE for LRLAP development.											
E. Performance Metrics											
Successfully achieve Milestone C. Successfully achieve Initial Operational Capability. Successfully complete LRLAP guided flights and Initial Operational Test and Evaluation (IOT&E) test events.											

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Exhibit R-3, RDT&E Project Cost Analysis: PB 2012 Navy											DATE: February 2011			
APPROPRIATION/BUDGET ACTIVITY 1319: Research, Development, Test & Evaluation, Navy BA 5: Development & Demonstration (SDD)				R-1 ITEM NOMENCLATURE PE 0204202N: DDG-1000				PROJECT 4009: Advanced Gun System (AGS) on DD(X)						
Product Development (\$ in Millions)				FY 2011		FY 2012 Base		FY 2012 OCO		FY 2012 Total				
Cost Category Item	Contract Method & Type	Performing Activity & Location	Total Prior Years Cost	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Cost To Complete	Total Cost	Target Value of Contract	
Primary Hardware Development	C/CPAF	BAE:Minneapolis MN	102.950	99.450	Jan 2011	42.148	Dec 2011	-		42.148	0.000	244.548		
Subtotal			102.950	99.450		42.148		-		42.148	0.000	244.548		
Test and Evaluation (\$ in Millions)				FY 2011		FY 2012 Base		FY 2012 OCO		FY 2012 Total				
Cost Category Item	Contract Method & Type	Performing Activity & Location	Total Prior Years Cost	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Cost To Complete	Total Cost	Target Value of Contract	
Test and Evaluation	Various	Various:Not Specified	2.200	6.358	Nov 2010	-		-		-	0.000	8.558		
Test and Evaluation	WR	White Sands Missile Range:Not Specified	-	-		2.000	Nov 2011	-		2.000	0.000	2.000		
Subtotal			2.200	6.358		2.000		-		2.000	0.000	10.558		
Management Services (\$ in Millions)				FY 2011		FY 2012 Base		FY 2012 OCO		FY 2012 Total				
Cost Category Item	Contract Method & Type	Performing Activity & Location	Total Prior Years Cost	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Cost To Complete	Total Cost	Target Value of Contract	
Contractor Engineering Services	Various	Various:Not Specified	0.452	0.400	Dec 2010	0.400	Dec 2011	-		0.400	0.000	1.252		
Government Engineering Services	WR	NSWC DD:Dahlgren VA	1.635	1.416	Nov 2010	1.641	Nov 2011	-		1.641	0.000	4.692		
Government Engineering Services	WR	NSWC PHD:Pt Hueneme CA	0.190	0.400	Nov 2010	0.400	Nov 2011	-		0.400	0.000	0.990		
Government Engineering Services	WR	Various:Not Specified:Not Specified	-	0.100	Nov 2010	-		-		-	0.000	0.100		
Subtotal			2.277	2.316		2.441		-		2.441	0.000	7.034		
			Total Prior Years Cost	FY 2011		FY 2012 Base		FY 2012 OCO		FY 2012 Total	Cost To Complete	Total Cost	Target Value of Contract	
Project Cost Totals			107.427	108.124		46.589		-		46.589	0.000	262.140		

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Exhibit R-3, RDT&E Project Cost Analysis: PB 2012 Navy							DATE: February 2011		
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	Total Prior Years Cost	FY 2011	FY 2012 Base	FY 2012 OCO	FY 2012 Total	Cost To Complete	Total Cost	Target Value of Contract	
Remarks									

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Exhibit R-4, RDT&E Schedule Profile: PB 2012 Navy		DATE: February 2011
APPROPRIATION/BUDGET ACTIVITY 1319: <i>Research, Development, Test & Evaluation, Navy</i> BA 5: <i>Development & Demonstration (SDD)</i>	R-1 ITEM NOMENCLATURE PE 0204202N: <i>DDG-1000</i>	PROJECT 4009: <i>Advanced Gun System (AGS) on DD(X)</i>

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Exhibit R-4, RDT&E Schedule Profile: PB 2012 Navy		DATE: February 2011
APPROPRIATION/BUDGET ACTIVITY 1319: <i>Research, Development, Test & Evaluation, Navy</i> BA 5: <i>Development & Demonstration (SDD)</i>	R-1 ITEM NOMENCLATURE PE 0204202N: <i>DDG-1000</i>	PROJECT 4009: <i>Advanced Gun System (AGS) on DD(X)</i>

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Exhibit R-4A, RDT&E Schedule Details: PB 2012 Navy			DATE: February 2011
APPROPRIATION/BUDGET ACTIVITY 1319: <i>Research, Development, Test & Evaluation, Navy</i> BA 5: <i>Development & Demonstration (SDD)</i>	R-1 ITEM NOMENCLATURE PE 0204202N: <i>DDG-1000</i>	PROJECT 4009: <i>Advanced Gun System (AGS) on DD(X)</i>	

Schedule Details

Events by Sub Project	Start		End	
	Quarter	Year	Quarter	Year
Proj 4009				
Guided Flight Tests	1	2010	1	2013
Component/AUR Qualification	1	2010	1	2013
Critical Design Review (CDR)	4	2011	4	2011
Milestone C (MS C)	3	2013	3	2013
Wpn Sys Explosive Safety Revw Bd (WSESRB)	4	2011	1	2013
Low Rate Initial Production (LRIP)	3	2013	4	2014
Initial Operating Capability (IOC)	3	2016	3	2016
Live Fire Tests	3	2011	1	2013
Full Rate Production Decision Review (FRP DR)	2	2015	2	2015
Gun Mount #1 Production End	3	2010	3	2010
Gun Mount #1 Deliver to Test	3	2010	3	2010
Gun Mount #2 Production End	3	2012	3	2012
Gun Mount #2 Deliver to Test	3	2012	3	2012
AGS Magazine Production End	1	2011	1	2011
AGS Magazine Deliver to Test	1	2011	1	2011

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Exhibit R-2A, RDT&E Project Justification: PB 2012 Navy									DATE: February 2011		
APPROPRIATION/BUDGET ACTIVITY 1319: <i>Research, Development, Test & Evaluation, Navy</i> BA 5: <i>Development & Demonstration (SDD)</i>				R-1 ITEM NOMENCLATURE PE 0204202N: <i>DDG-1000</i>				PROJECT 9999: <i>Congressional Adds</i>			
COST (\$ in Millions)	FY 2010	FY 2011	FY 2012 Base	FY 2012 OCO	FY 2012 Total	FY 2013	FY 2014	FY 2015	FY 2016	Cost To Complete	Total Cost
9999: <i>Congressional Adds</i>	3.984	-	-	-	-	-	-	-	-	0.000	3.984
Quantity of RDT&E Articles	0	0	0	0	0	0	0	0	0		

A. Mission Description and Budget Item Justification
 Congressional Add funds the development of a Floating Area Network (FAN) enabling a direct Line of Sight (LOS), wireless, Transmission Control Protocol/Internet (TCP/IP) network among intra-battle group ships.

B. Accomplishments/Planned Programs (\$ in Millions)	FY 2010	FY 2011
<i>Congressional Add:</i> Floating Area Network (FAN) Installation Of Wirele	3.984	-
<i>FY 2010 Accomplishments:</i> Congressional add.		
Congressional Adds Subtotals	3.984	-

C. Other Program Funding Summary (\$ in Millions)
 N/A

D. Acquisition Strategy
 N/A

E. Performance Metrics
 Congressional Add.